

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	98	(156/345.55).ccls.	US-PGPUB; USPAT	OR	ON	2005/11/12 12:57
L2	44	1 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/12 12:59
L3	108	(ji near soo near kim).in. or (tae near hyuk near ahn).in. or (won near seek near lee).in.	US-PGPUB; USPAT	OR	ON	2005/11/12 13:02
L4	43	3 and gas	US-PGPUB; USPAT	OR	ON	2005/11/12 13:02
S1	1	"20040185664"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:47
S2	11	((("4073289") or ("5769790") or ("6103455") or ("5562801") or ("6063548") or ("5780338") or ("5914279") or ("6136695") or ("6107140") or ("4654112") or ("5705419"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/11/02 09:25
S3	2	"02262334"	EPO; JPO; DERWENT	OR	ON	2005/11/02 09:26
S4	1	"6719808".pn.	US-PGPUB; USPAT	OR	ON	2005/11/02 09:39
S5	13	("4073289"   "4654112"   "5458734"   "5562801"   "5705419"   "5769790"   "5780338"   "5914279"   "6063548"   "6103455"   "6107140"   "6136695"   "6162367").PN. OR ("6719808").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 09:40
S6	12	(US-6162367-\$ or US-6136695-\$ or US-6107140-\$ or US-6103455-\$ or US-6063548-\$ or US-5914279-\$ or US-5780338-\$ or US-5769790-\$ or US-5705419-\$ or US-5562801-\$ or US-5458734-\$ or US-4654112-\$).did.	USPAT	OR	ON	2005/11/02 09:45
S7	2	S6 and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 15:15
S8	336	156/345.33.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 12:46
S9	95	S8 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/12 12:57
S10	905738	(h01l021/\$.ipc. or c23c016/\$.ipc.)	EPO; JPO; DERWENT	OR	ON	2005/11/02 12:35
S11	810	S10 and (rotat\$6 or spin\$4) and gas and etch\$3	EPO; JPO; DERWENT	OR	ON	2005/11/04 14:27
S12	5	S10 and (rotat\$6 or spin\$4) and gas and etch\$3 and pulse	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:15
S13	31	S10 and (rotat\$6 or spin\$4) and gas and etch\$3 and fluorine	EPO; JPO; DERWENT	OR	ON	2005/11/02 12:39

S14	1503	156/345.\$2.ccls. and (rotat\$6 or spin\$4) and gas and etch\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 13:03
S15	176	156/345.\$2.ccls. and (rotat\$6 or spin\$4) and gas and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 15:15
S16	64	S15 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:16
S17	602	156/345.\$2.ccls. and (rotat\$6 or spin\$4) and (gas same (horizontal or parallel))	US-PGPUB; USPAT	OR	ON	2005/11/02 13:04
S18	295	S17 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 14:09
S19	23	S18 and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 15:08
S20	46	S10 and (rotat\$6 or spin\$4) and gas and pulse	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:19
S21	8782	(substrate or wafer) same (rotat\$6 or spin\$4) and gas and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 15:21
S22	4766	(substrate or wafer) near7 (rotat\$6 or spin\$4) and gas and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 14:06
S23	22312	(118/715-733).ccls. or 156/345.\$2.ccls. or 204/192.\$2.ccls. or 204/298.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 14:09
S24	419	S22 and S23	US-PGPUB; USPAT	OR	ON	2005/11/02 15:22
S25	178	S24 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:22
S26	70	("5078851"   "5156820"   "5294778"   "5582866"   "5855675"   "5935338").PN. OR ("6174377").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 15:06
S27	1	"5855680".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 15:07
S28	1	"5879459".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 15:07
S29	32	S18 and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 15:08
S30	9	S29 not S19	US-PGPUB; USPAT	OR	ON	2005/11/02 15:09
S31	2	S6 and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 15:15
S32	5	S10 and (rotat\$6 or spin\$4) and gas and etch\$3 and puls\$3	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:15
S33	228	156/345.\$2.ccls. and (rotat\$6 or spin\$4) and gas and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 15:15
S34	83	S33 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:16

S35	19	S34 not S16	US-PGPUB; USPAT	OR	ON	2005/11/02 15:16
S36	59	S10 and (rotat\$6 or spin\$4) and gas and puls\$3	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:20
S37	13	S36 not S20	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:20
S38	10550	(substrate or wafer) same (rotat\$6 or spin\$4) and gas and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 15:21
S39	799	S38 and S23	US-PGPUB; USPAT	OR	ON	2005/11/02 15:22
S40	349	S39 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:22
S41	7	((("6162367") or ("5458734") or ("4314875") or ("4498953") or ("5786242") or ("5851861") or ("5719068")).PN.	US-PGPUB; USPAT	OR	OFF	2005/11/02 15:48
S42	217	(ald or (atomic adj layer adj deposition)) and puls\$3 and ((substrate or wafer or stage or susceptor) near7 (rotat\$4 or spin\$3))	US-PGPUB; USPAT	OR	ON	2005/11/02 17:44
S43	130	(ald or (atomic adj layer adj deposition)) and puls\$3 and ((substrate or wafer or stage or susceptor) near (rotat\$4 or spin\$3))	US-PGPUB; USPAT	OR	ON	2005/11/02 17:44
S44	1	S43 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 17:46
S45	86	156/345.55.ccls. and gas	US-PGPUB; USPAT	OR	ON	2005/11/04 13:26
S46	38	S45 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 13:26
S47	664	118/730.ccls. and gas	US-PGPUB; USPAT	OR	ON	2005/11/04 13:26
S48	511	S47 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 15:41
S49	44	S48 and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/04 14:02
S50	905738	(h01l021/\$.ipc. or c23c016/\$.ipc.)	EPO; JPO; DERWENT	OR	ON	2005/11/04 14:27
S51	109	S50 and ((rotat\$6 or spin\$4) near (substrate or wafer or susceptor)) and gas and etch\$3	EPO; JPO; DERWENT	OR	ON	2005/11/04 15:58
S55	12	"6162367"	US-PGPUB; USPAT	OR	ON	2005/11/04 15:26
S56	1	"6162367".pn.	US-PGPUB; USPAT	OR	ON	2005/11/04 15:26

S57	14	("4310380"   "4498953"   "4695700"   "4749440").PN. OR ("6162367").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:38
S58	2998	(etch\$4 same puls\$3) and gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:43
S59	723	(etch\$4 near7 puls\$3) and gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:39
S60	304	(etch\$4 near7 puls\$3) and gas and (rotat\$4 or spin\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:58
S61	132	S60 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 15:45
S62	6218	etch\$4 and (puls\$3 same gas)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:44
S63	3058	S62 and (rotat\$4 or spin\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:44
S64	1455	etch\$4 and (puls\$3 near3 gas)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 16:06
S65	641	S64 and (rotat\$4 or spin\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:45
S66	199	S65 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 15:59
S67	723	(etch\$4 near7 puls\$3) and gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:58
S68	26903	((rotat\$6 or spin\$4) near (substrate or wafer or susceptor))	US-PGPUB; USPAT	OR	ON	2005/11/04 15:58
S69	24	S64 and S68 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 18:39
S70	2536	etch\$4 and (puls\$3 near7 gas)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 16:06
S71	33	S70 and S68 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 16:07
S72	9	S71 not S69	US-PGPUB; USPAT	OR	ON	2005/11/04 16:07
S73	3	"02001121"	EPO; JPO; DERWENT	OR	ON	2005/11/04 17:16
S74	3	"06084864"	EPO; JPO; DERWENT	OR	ON	2005/11/04 17:12
S75	2	"01150074"	EPO; JPO; DERWENT	OR	ON	2005/11/04 17:16

S76	2	"01224572"	EPO; JPO; DERWENT	OR	ON	2005/11/04 17:16
S77	1	"6162367".pn.	US-PGPUB; USPAT	OR	ON	2005/11/04 18:38
S78	50	(puff near valve)	US-PGPUB; USPAT	OR	ON	2005/11/04 18:38
S79	25	S78 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 18:39

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L3	108	(ji near soo near kim).in. or (tae near hyuk near ahn).in. or (won near seek near lee).in.	US-PGPUB; USPAT	OR	ON	2005/11/12 13:02
L4	43	3 and gas	US-PGPUB; USPAT	OR	ON	2005/11/12 13:02
S1	1	"20040185664"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:47
S2	11	((("4073289") or ("5769790") or ("6103455") or ("5562801") or ("6063548") or ("5780338") or ("5914279") or ("6136695") or ("6107140") or ("4654112") or ("5705419"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/11/02 09:25
S3	2	"02262334"	EPO; JPO; DERWENT	OR	ON	2005/11/02 09:26
S4	1	"6719808".pn.	US-PGPUB; USPAT	OR	ON	2005/11/02 09:39
S5	13	("4073289"   "4654112"   "5458734"   "5562801"   "5705419"   "5769790"   "5780338"   "5914279"   "6063548"   "6103455"   "6107140"   "6136695"   "6162367").PN. OR ("6719808").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 09:40
S6	12	(US-6162367-\$ or US-6136695-\$ or US-6107140-\$ or US-6103455-\$ or US-6063548-\$ or US-5914279-\$ or US-5780338-\$ or US-5769790-\$ or US-5705419-\$ or US-5562801-\$ or US-5458734-\$ or US-4654112-\$).did.	USPAT	OR	ON	2005/11/02 09:45
S7	2	S6 and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 15:15
S8	336	156/345.33.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 12:46
S9	95	S8 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/12 12:57
S10	905738	(h01l021/\$.ipc. or c23c016/\$.ipc.)	EPO; JPO; DERWENT	OR	ON	2005/11/02 12:35
S11	810	S10 and (rotat\$6 or spin\$4) and gas and etch\$3	EPO; JPO; DERWENT	OR	ON	2005/11/04 14:27
S12	5	S10 and (rotat\$6 or spin\$4) and gas and etch\$3 and pulse	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:15
S13	31	S10 and (rotat\$6 or spin\$4) and gas and etch\$3 and fluorine	EPO; JPO; DERWENT	OR	ON	2005/11/02 12:39

S14	1503	156/345.\$2.ccls. and (rotat\$6 or spin\$4) and gas and etch\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 13:03
S15	176	156/345.\$2.ccls. and (rotat\$6 or spin\$4) and gas and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 15:15
S16	64	S15 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:16
S17	602	156/345.\$2.ccls. and (rotat\$6 or spin\$4) and (gas same (horizontal or parallel))	US-PGPUB; USPAT	OR	ON	2005/11/02 13:04
S18	295	S17 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 14:09
S19	23	S18 and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 15:08
S20	46	S10 and (rotat\$6 or spin\$4) and gas and pulse	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:19
S21	8782	(substrate or wafer) same (rotat\$6 or spin\$4) and gas and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 15:21
S22	4766	(substrate or wafer) near7 (rotat\$6 or spin\$4) and gas and pulse	US-PGPUB; USPAT	OR	ON	2005/11/02 14:06
S23	22312	(118/715-733).ccls. or 156/345.\$2.ccls. or 204/192.\$2.ccls. or 204/298.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 14:09
S24	419	S22 and S23	US-PGPUB; USPAT	OR	ON	2005/11/02 15:22
S25	178	S24 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:22
S26	70	("5078851"   "5156820"   "5294778"   "5582866"   "5855675"   "5935338"). PN. OR ("6174377").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 15:06
S27	1	"5855680".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 15:07
S28	1	"5879459".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/02 15:07
S29	32	S18 and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 15:08
S30	9	S29 not S19	US-PGPUB; USPAT	OR	ON	2005/11/02 15:09
S31	2	S6 and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 15:15
S32	5	S10 and (rotat\$6 or spin\$4) and gas and etch\$3 and puls\$3	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:15
S33	228	156/345.\$2.ccls. and (rotat\$6 or spin\$4) and gas and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 15:15
S34	83	S33 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:16

S35	19	S34 not S16	US-PGPUB; USPAT	OR	ON	2005/11/02 15:16
S36	59	S10 and (rotat\$6 or spin\$4) and gas and puls\$3	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:20
S37	13	S36 not S20	EPO; JPO; DERWENT	OR	ON	2005/11/02 15:20
S38	10550	(substrate or wafer) same (rotat\$6 or spin\$4) and gas and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/02 15:21
S39	799	S38 and S23	US-PGPUB; USPAT	OR	ON	2005/11/02 15:22
S40	349	S39 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 15:22
S41	7	((("6162367") or ("5458734") or ("4314875") or ("4498953") or ("5786242") or ("5851861") or ("5719068")).PN.	US-PGPUB; USPAT	OR	OFF	2005/11/02 15:48
S42	217	(ald or (atomic adj layer adj deposition)) and puls\$3 and ((substrate or wafer or stage or susceptor) near7 (rotat\$4 or spin\$3))	US-PGPUB; USPAT	OR	ON	2005/11/02 17:44
S43	130	(ald or (atomic adj layer adj deposition)) and puls\$3 and ((substrate or wafer or stage or susceptor) near (rotat\$4 or spin\$3)).	US-PGPUB; USPAT	OR	ON	2005/11/02 17:44
S44	1	S43 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/02 17:46
S45	86	156/345.55.ccls. and gas	US-PGPUB; USPAT	OR	ON	2005/11/04 13:26
S46	38	S45 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 13:26
S47	664	118/730.ccls. and gas	US-PGPUB; USPAT	OR	ON	2005/11/04 13:26
S48	511	S47 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 15:41
S49	44	S48 and puls\$3	US-PGPUB; USPAT	OR	ON	2005/11/04 14:02
S50	905738	(h01l021/\$.ipc. or c23c016/\$.ipc.)	EPO; JPO; DERWENT	OR	ON	2005/11/04 14:27
S51	109	S50 and ((rotat\$6 or spin\$4) near (substrate or wafer or susceptor)) and gas and etch\$3	EPO; JPO; DERWENT	OR	ON	2005/11/04 15:58
S55	12	"6162367"	US-PGPUB; USPAT	OR	ON	2005/11/04 15:26
S56	1	"6162367".pn.	US-PGPUB; USPAT	OR	ON	2005/11/04 15:26



S57	14	("4310380"   "4498953"   "4695700"   "4749440").PN. OR ("6162367").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:38
S58	2998	(etch\$4 same puls\$3) and gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:43
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S60	304	(etch\$4 near7 puls\$3) and gas and (rotat\$4 or spin\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:58
S61	132	S60 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 15:45
S62	6218	etch\$4 and (puls\$3 same gas)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:44
S63	3058	S62 and (rotat\$4 or spin\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:44
S64	1455	etch\$4 and (puls\$3 near3 gas)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 16:06
S65	641	S64 and (rotat\$4 or spin\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:45
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S67	723	(etch\$4 near7 puls\$3) and gas	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 15:58
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S69	24	S64 and S68 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 18:39
S70	2536	etch\$4 and (puls\$3 near7 gas)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/04 16:06
S71	33	S70 and S68 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 16:07
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S73	3	"02001121"	EPO; JPO; DERWENT	OR	ON	2005/11/04 17:16
S74	3	"06084864"	EPO; JPO; DERWENT	OR	ON	2005/11/04 17:12
S75	2	"01150074"	EPO; JPO; DERWENT	OR	ON	2005/11/04 17:16

S76	2	"01224572"	EPO; JPO; DERWENT	OR	ON	2005/11/04 17:16
S77	1	"6162367".pn.	US-PGPUB; USPAT	OR	ON	2005/11/04 18:38
S78	50	(puff near valve)	US-PGPUB; USPAT	OR	ON	2005/11/04 18:38
S79	25	S78 and @ad<"19991027"	US-PGPUB; USPAT	OR	ON	2005/11/04 18:39